

We claim:

Sub A4 > 1. A continuous watering device for small pets producing minimal noise and splashing, comprising:

a lower container for holding water wherein at least a portion of said lower container has an open top to allow pets to drink from said lower container;

an upper reservoir for holding water located above said lower container;

a pump having a suction port and a discharge port wherein said suction port removes water from said container and said discharge port directs water to said upper reservoir;

a smooth and curved ramp to support a stream of flowing water as it moves from the upper reservoir to the lower container; and

a ledge attached to said upper reservoir having a curved lip and a curved cross sectional area wherein said curved lip creates a thick and smooth water flow upon exiting the upper reservoir to reduce noise and splashing and said curved cross sectional area directs the stream of flowing water onto the center portion of the curved ramp so as to contain the water flow on the ramp at all times to prevent splashing and noise as the water flows downward on said ramp.

2. A continuous watering device for small pets producing minimal noise and splashing as in claim 1, wherein said pump is a submersible pump whereby all suction ports are submerged to reduce noise.

3. A continuous watering device for small pets producing minimal noise and splashing as in claim 2, wherein said pump further comprises a flow regulator to vary the rate of water flow through said pump.

4. A continuous watering device for small pets producing minimal noise and splashing as in claim 1, wherein said upper reservoir further comprises an intake chamber to receive water from said pump.

5. A continuous watering device for small pets producing minimal noise and splashing as in claim 4, wherein a lift tube connects the discharge port of said pump to the intake chamber to reduce splashing inside said intake chamber.

6. A continuous watering device for small pets producing minimal noise and splashing as in claim 1, wherein the upper reservoir comprises a filter to remove any debris from the flowing water.

7. A continuous watering device for small pets producing minimal noise and splashing as in claim 6, wherein the filter is a charcoal based filter surrounded by a polyester covering.

Junko 8. A continuous watering device for small pets producing minimal noise and splashing as in claim 1, wherein the upper reservoir comprises a overflow drain to direct excess water from said upper reservoir to said lower container to prevent the upper reservoir from overflowing.

9. A continuous watering device for small pets producing minimal noise and splashing as in claim 1, wherein said lower container further comprises a pair of handles for carrying said continuous watering device.

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10. A continuous watering device for pets producing minimal noise and splashing, comprising:

a lower container for holding water wherein at least a portion of said lower container has an open top to allow pets to drink from said lower container;

an upper reservoir for holding water located above said lower container;

a pump having a suction port and a discharge port wherein said suction port removes water from said container and said discharge port directs water to said upper reservoir;

a smooth and curved ramp to support a stream of flowing water as it moves from the upper reservoir to the lower container;

a ledge attached to said upper reservoir having a curved lip and a curved cross sectional area wherein said curved lip creates a thick and smooth water flow upon exiting the upper reservoir to reduce noise and splashing and said curved cross sectional area directs the stream of flowing water onto the center portion of the curved ramp so as to contain the water flow on the ramp at all times to prevent splashing and noise as the water flows downward on said ramp; and

a removable and portable storage reservoir further comprising a valve having an open position and a closed position wherein said valve is in the closed position when not installed on the continuous waterer so as to prevent water from leaking while said storage reservoir is being transported and said valve is in the open position when installed on the continuous waterer so as to continuously

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replenish and maintain a minimum water level in said lower container when water loss results from evaporation or drinking by pets.

11. A continuous watering device for pets as in claim 10, wherein the removable and portable storage reservoir is translucent so that the water level may be observed without removing the reservoir.

12. A continuous watering device for pets as in claim 10, wherein the removable and portable storage reservoir has at least one flat side so that the storage reservoir can be stored in an upright position.

13. A continuous watering device for pets as in claim 10, wherein the removable and portable storage reservoir has at least one grip so that the storage reservoir may be easily removed from the container and carried.

14. A continuous watering device for small pets producing minimal noise and splashing as in claim 10, wherein the upper reservoir comprises a filter to remove any debris from the flowing water.

15. A continuous watering device for small pets producing minimal noise and splashing as in claim 14, wherein the filter is a charcoal based filter surrounded by a polyester covering.

16. A continuous watering device for small pets producing minimal noise and splashing as in claim 10, wherein the upper reservoir comprises an overflow drain to direct excess water from said upper reservoir to said lower container to prevent the upper reservoir from overfilling.

inventor 17. A continuous watering device for small pets producing minimal noise and splashing as in claim 10, wherein said pump is a submersible pump whereby all suction ports are submerged to reduce noise.

18. A continuous watering device for small pets producing minimal noise and splashing as in claim 17, wherein said pump further comprises a flow regulator to vary the rate of fluid flow through said pump.

inventor 19. A continuous watering device for small pets producing minimal noise and splashing as in claim 10, wherein said lower container further comprise a pair of handles for carrying said continuous watering device.

20. A continuous watering device for small pets producing minimal noise and splashing, comprising:

a container for holding water wherein at least a portion of said container has an open top to allow pets to drink from said lower container;

a lift tube to transport water from said container;

a pump submerged under the water in said container to eliminate noise and to remove water from the container to the lift tube;

a ramp to support a stream of flowing water as it moves from the lift tube to the container; and

a ledge attached to said lift tube having a curved lip and a curved cross-section wherein said curved lip creates a thick and smooth water flow upon exiting the lift tube to reduce noise and splashing and said curved cross section directs the stream of flowing water onto the curved ramp to prevent splashing and noise as the water flows downward on said ramp.

21. A continuous watering device for small pets producing minimal noise and splashing as in claim 20, wherein said pump is a submersible pump whereby the pump suction port is submerged to reduce noise.

22. A continuous watering device for small pets producing minimal noise and splashing as in claim 21, wherein said pump further comprises a flow regulator to vary the rate of water flow through said pump.

23. A continuous watering device for small pets producing minimal noise and splashing as in claim 20, wherein said lift tube transports water to an upper reservoir.

24. A continuous watering device for small pets producing minimal noise and splashing as in claim 23, wherein the upper reservoir comprises a filter to remove any debris from the flowing water.

25. A continuous watering device for small pets producing minimal noise and splashing as in claim 24, wherein the filter is a charcoal based filter surrounded by a polyester covering.

26. A continuous watering device for small pets producing minimal noise and splashing as in claim 23, wherein the upper reservoir comprises a overflow drain to direct excess water from said upper reservoir to said lower container to prevent the upper reservoir from overflowing.

27. A continuous watering device for small pets producing minimal noise and splashing as in claim 20, wherein said container for holding water further comprises a pair of handles for carrying said continuous watering device.

28. A continuous watering device for small pets producing minimal noise and splashing as in claim 20, wherein said ramp is curved to reduce splashing.

29. A continuous watering device for small pets producing minimal noise and splashing as in claim 20, wherein a removable and portable storage reservoir is attached to said container for holding water comprising a valve having an open position and a closed position wherein said valve is in the closed position when not installed on the continuous waterer so as to prevent water from leaking while said storage reservoir is being transported and said valve is in the open position when installed on the continuous waterer so as to continuously

replenish and maintain a minimum water level in said container when water loss
results from evaporation or drinking by pets.

30. A continuous watering device for small pets producing minimal noise and splashing, comprising:

a container for holding water wherein at least a portion of said container has an open top to allow pets to drink from said container;

a lift tube to transport water from said container;

a pump submerged under the water in said container to eliminate noise and to remove water from said container to the lift tube;

a ramp to support a stream of flowing water as it moves from the lift tube to the container; and

a ledge connecting said lift tube with said curved ramp to direct water onto the ramp to prevent splashing and noise as the water flows downward on said ramp.

31. A continuous watering device for small pets producing minimal noise comprising:

a container for holding a volume of water to permit pets to drink therefrom;

a submersible pump for circulating water located inside said container wherein said submersible pump is completely submerged by said volume of water to maintain silent operation; and

a storage reservoir for holding water wherein said storage reservoir automatically deposits water into said container to maintain a constant volume of water so that the submersible pump remains submerged when pets drink from the container or when water is lost from evaporation.

32. A continuous watering device for small pets producing minimal noise comprising:

a container for holding a volume of water to permit pets to drink therefrom;
a submersible pump for circulating water located inside the container,
wherein said submersible pump comprises a suction port and a discharge port,
wherein said suction port is completely submerged by said volume of water to
maintain silent operation; and

a storage reservoir for holding water wherein said storage reservoir
automatically deposits water into said container to maintain a constant volume of
water so that the suction port remains submerged when pets drink from the
container or when water is lost from evaporation.